

IN THE CLAIMS

1. - 50. (Cancelled)

F1 cont

~~51.~~ (Currently Amended) An image forming apparatus comprising:

a display panel adapted to display an image;

a pulse width modulation signal generator adapted to input digital data corresponding to the image and a clock signal, and to count pulses of the clock signal for in correspondence with the digital data to generate a pulse width modulation signal for driving the display panel, wherein the pulse width modulation signal has a pulse width that corresponds to a number of pulses of the clock signal corresponding to a gray scale level of the image; and

a clock generator adapted to generate the clock signal, wherein said clock generator is provided with a memory for storing a plurality of items of data and said clock generator is arranged to generate each pulse of the clock signal in accordance with one of the items of data read from the memory in synchronism with a reference clock signal.

~~52.~~ (Previously Presented) The apparatus according to Claim ~~51~~, wherein said clock generator comprises a counter for inputting and counting the reference clock signal to supply an address signal of the memory and a latch circuit for latching the data read from the memory in accordance with the address signal.

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33. (Previously Presented) The apparatus according to Claim 31,

wherein said clock generator comprises a plurality of flip-flops connected in series for storing the data and outputting the data in series as the clock signal in synchronism with the reference clock signal.

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34. (Previously Presented) The apparatus according to Claim 31, further

comprising a system controller for selecting the one of the plurality of items of data.

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35. (Previously Presented) The apparatus according to Claim 31,

wherein the data is for performing an inverse gamma conversion.

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36. (Previously Presented) The apparatus according to Claim 31,

wherein the data is for improving the tonality representation characteristics of image data at low luminance.

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37. (Previously Presented) The apparatus according to Claim 31,

wherein said display panel comprises a vacuum container which accommodates a substrate on which a plurality of electron sources are provided and an image forming member for forming an image by electrons emitted by the plurality of electron sources.